

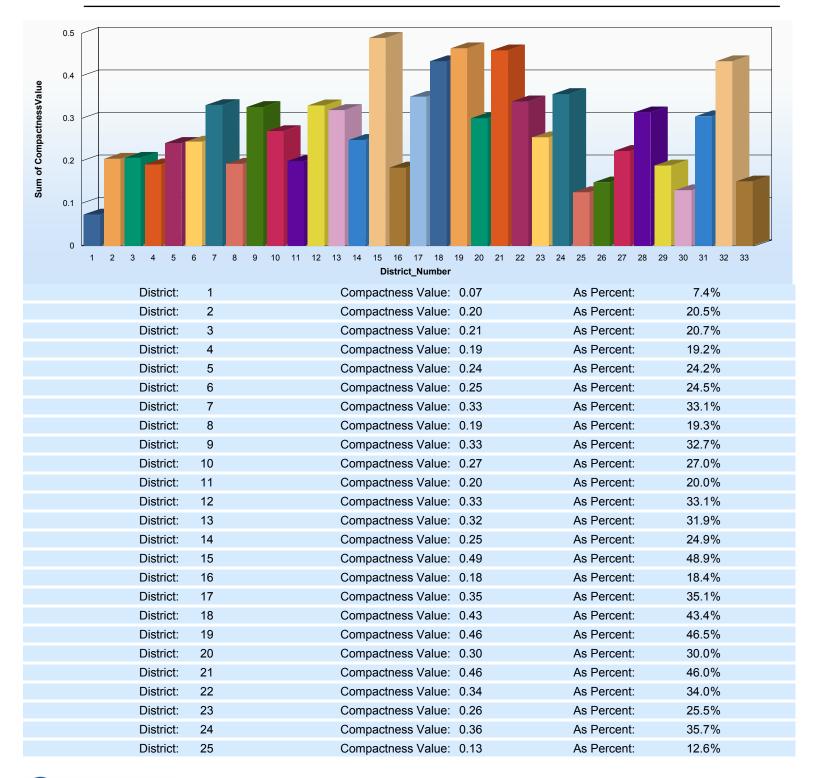
Plan Name: Workspace: Senate>>Senate 2001
Plan Last Edited on: 12/10/2011 12:40:42 PM

Confidential

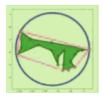
2

Compactness Measure:

Circularity Ratio - Ratio of the area of the District to the area of a circle (the most compact shape) having the same perimeter. That ratio is expressed as M = 4pi(area) / (perimeter)2. For a circle, the ratio is one. This







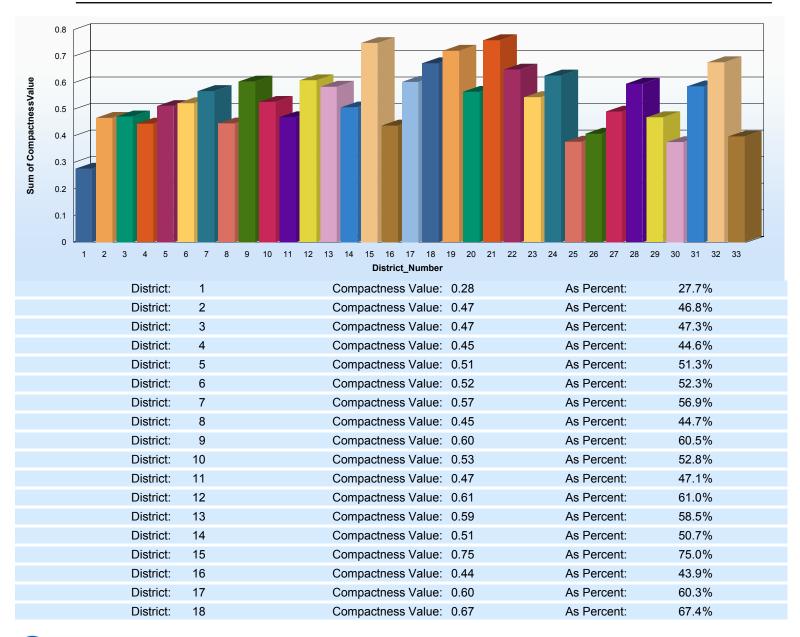
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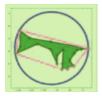
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_						
	District:	26	Compactness Value:	0.15	As Percent:	14.9%
	District:	27	Compactness Value:	0.22	As Percent:	22.3%
	District:	28	Compactness Value:	0.31	As Percent:	31.4%
	District:	29	Compactness Value:	0.19	As Percent:	18.9%
	District:	30	Compactness Value:	0.13	As Percent:	13.1%
	District:	31	Compactness Value:	0.30	As Percent:	30.5%
	District:	32	Compactness Value:	0.43	As Percent:	43.4%
	District:	33	Compactness Value:	0.15	As Percent:	15.2%

Compactness Measure:

Circumference of an equal area circle divided by the perimeter of the district





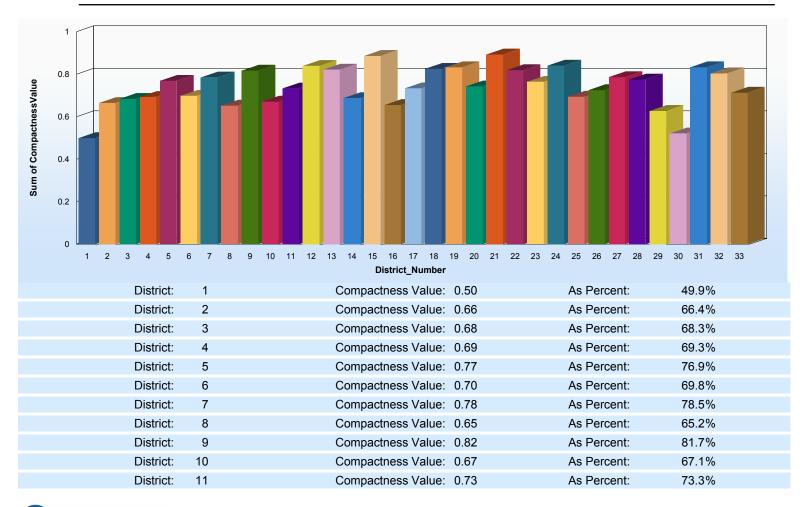
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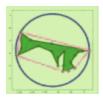
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) -						
	District:	19	Compactness Value:	0.72	As Percent:	72.1%
	District:	20	Compactness Value:	0.57	As Percent:	56.6%
	District:	21	Compactness Value:	0.76	As Percent:	76.0%
	District:	22	Compactness Value:	0.65	As Percent:	65.0%
	District:	23	Compactness Value:	0.55	As Percent:	54.6%
	District:	24	Compactness Value:	0.63	As Percent:	62.7%
	District:	25	Compactness Value:	0.38	As Percent:	37.8%
	District:	26	Compactness Value:	0.41	As Percent:	40.8%
	District:	27	Compactness Value:	0.49	As Percent:	49.2%
	District:	28	Compactness Value:	0.60	As Percent:	59.7%
	District:	29	Compactness Value:	0.47	As Percent:	47.0%
	District:	30	Compactness Value:	0.38	As Percent:	37.7%
	District:	31	Compactness Value:	0.59	As Percent:	58.7%
	District:	32	Compactness Value:	0.68	As Percent:	67.7%
	District:	33	Compactness Value:	0.40	As Percent:	39.8%

Compactness Measure:

District area divided by the area of the district's Convex Hull. This method is also know as the Schwartzberg test.





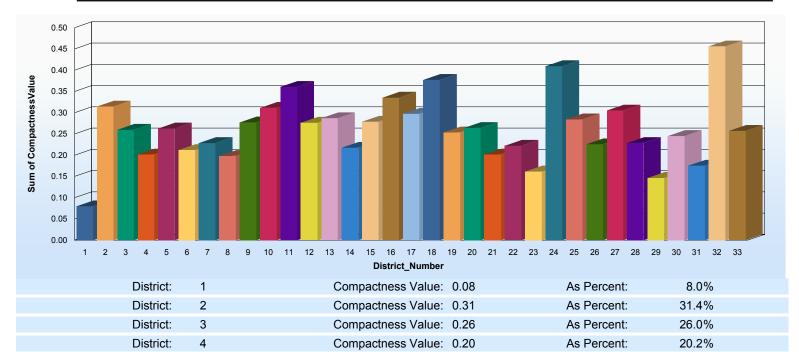
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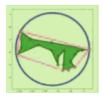
<u> </u>					
	District:	12	Compactness Value: 0.84	As Percent:	83.9%
	District:	13	Compactness Value: 0.82	As Percent:	82.2%
	District:	14	Compactness Value: 0.69	As Percent:	68.8%
	District:	15	Compactness Value: 0.89	As Percent:	88.6%
	District:	16	Compactness Value: 0.65	As Percent:	65.5%
	District:	17	Compactness Value: 0.73	As Percent:	73.4%
	District:	18	Compactness Value: 0.83	As Percent:	82.5%
	District:	19	Compactness Value: 0.83	As Percent:	83.2%
	District:	20	Compactness Value: 0.74	As Percent:	74.2%
	District:	21	Compactness Value: 0.89	As Percent:	89.2%
	District:	22	Compactness Value: 0.82	As Percent:	81.9%
	District:	23	Compactness Value: 0.76	As Percent:	76.4%
	District:	24	Compactness Value: 0.84	As Percent:	84.0%
	District:	25	Compactness Value: 0.69	As Percent:	69.4%
	District:	26	Compactness Value: 0.72	As Percent:	72.5%
	District:	27	Compactness Value: 0.79	As Percent:	78.6%
	District:	28	Compactness Value: 0.77	As Percent:	77.5%
	District:	29	Compactness Value: 0.63	As Percent:	62.7%
	District:	30	Compactness Value: 0.52	As Percent:	52.1%
	District:	31	Compactness Value: 0.83	As Percent:	83.2%
	District:	32	Compactness Value: 0.80	As Percent:	80.4%
	District:	33	Compactness Value: 0.71	As Percent:	71.3%

Compactness Measure:

District area divided by the area of the minimum circle bounding the district. This method is also know as the Roeck or Ehrenberg test.







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District: 5 Compactness Value: 0.26 As Percent: 26.3% 6 District: Compactness Value: 0.21 As Percent: 21.2% District: 7 Compactness Value: 0.23 As Percent: 22.8% 8 District: Compactness Value: 0.20 As Percent: 19.8% District: 9 Compactness Value: 0.28 As Percent: 27.7% District: 10 Compactness Value: 0.31 As Percent: 31.1% District: 11 Compactness Value: 0.36 As Percent: 36.1% District: 12 Compactness Value: 0.28 As Percent: 27.6% District: 13 Compactness Value: 0.29 As Percent: 28.7% District: 14 Compactness Value: 0.22 As Percent: 21.7% District: 15 Compactness Value: 0.28 As Percent: 27.9% District: 16 Compactness Value: 0.34 As Percent: 33.5% District: 17 Compactness Value: 0.30 As Percent: 29.7% District: 18 Compactness Value: 0.38 As Percent: 37.7% District: 19 Compactness Value: 0.25 As Percent: 25.4% District: 20 Compactness Value: 0.26 As Percent: 26.4% District: 21 Compactness Value: 0.20 As Percent: 20.2% District: 22 Compactness Value: 0.22 As Percent: 22.2% District: 23 Compactness Value: 0.16 As Percent: 16.2% District: 24 Compactness Value: 0.41 As Percent: 40.9% District: 25 Compactness Value: 0.28 As Percent: 28.4% District: 26 Compactness Value: 0.23 As Percent: 22.6% District: 27 Compactness Value: 0.31 As Percent: 30.5% District: 28 Compactness Value: 0.23 As Percent: 22.9% District: 29 Compactness Value: 0.15 As Percent: 14.7% Compactness Value: 0.25 District: 30 As Percent: 24.5% District: 31 Compactness Value: 0.18 As Percent: 17.5% District: 32 Compactness Value: 0.46 As Percent: 45.6% District: 33 Compactness Value: 0.26 As Percent: 25.7%

Total Perimeter for all Districts 31,222.54 Miles

